

October 10, 2011

API # 47 - 017-06016

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Carolyn Farr

Operator Well No. : Two (2)

LOCATION: Elevation: 1181
District: New Milton
Latitude: 39.17239 Feet South of 39
Longitude: 80.74400 Feet West of 80
Quadrangle: New Milton 7.5
County: Doddridge
Deg. 10 Min. 20.6 Sec.
Deg. 44 Min. 38.4 Sec.

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452

Agent: Jan E. Chapman

Inspector: Dave Scrannage

Permit Issued: 4-27-11

Well Work Commenced: 9-15-11

Well Work Completed: 9-24-11

Verbal Plugging N/A

Permission granted on: 8-15-11

Rotary X Cable Rig

Total Depth (feet) 5610'

Fresh water depths (ft) 90'

Salt water depths (ft) 1610'

Is coal being mined in area (Y / N)? No

Coal Depths (ft): None

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
11"	32'	Pulled	N/A
9-5/8"	126'	126'	70 sks. CTS
7"	1233'	1233'	170 sks. CTS
4-1/2"	5566'	5566'	350 sks. CT 1800'

OPEN FLOW DATA Alexander 5366-5424
Benson & Riley 3720-5104
Producing formation Warren Pay zone depth (ft) 3480-3600

Gas:	Initial open flow	15	MCF / D	Oil:	Initial open flow	NA	Bbl / D
	Final open flow	1244	MCF / D	Oil:	Final open flow	Show	Bbl / D
	Time of open flow between initial and final tests	24					Hours
	Static rock pressure	1400	psig (surface pressure)	after	24		Hours

All Formations Comingled.

Second producing formation	Pay zone depth (ft)
Gas: Initial open flow	MCF / D
Oil: Initial open flow	Bbl / D
Final open flow	MCF / D
Oil: Final open flow	Bbl / D
Time of open flow between initial and final tests	Hours
Static rock pressure	psig (surface pressure)
after	Hours

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Environmental Protection

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: KEY OIL COMPANY

By: 

PRESIDENT

Date: October 10, 2011

17.06 016

C. Farr #2 (47-017-06016)

TREATMENT:

Alexander	(20 holes) 5366-5424	sand, water and N2: 40,000# 20/40 sand, 463,000 SCF N2 223 bbls. water
Benson & Riley	(24 holes) 3720-5104	sand, water and N2: 5,000# 80/100 sand, 30,200 20/40 sand, 440,000 SCF N2, 206 bbls. water
Warren	(20 holes) 3480-3600	sand, water and N2: 5,000# 80/100 sand, 35,600 20/40 sand, 380,000 SCF N2 235 bbls. water

FORMATIONS:

Sand & Shale	0'	1270'
Salt Sands	1270'	1300'
Shale	1300'	1570'
Maxton	1570'	1660'
Sand & Shale	1660'	2060'
Little Lime	2060'	2075'
Shale	2075'	2130'
Lime	2130'	2220'
Injun	2220'	2280'
Shale	2280'	2410'
Weir	2410'	2500'
Shale	2500'	2600'
Gantz	2600'	2620'
Sand & Shale	2620'	2830'
Gordon	2830'	2840'
Shale	2840'	3480'
Warren	3480'	3600'
Shale	3600'	5000'
Riley	5000'	5010'
Benson	5100'	5105'
Shale	5105'	5350'
Alexander	5350'	5450'
Shale	5450'	5610'
TD		5610'

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State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: **McCamey** Operator Well No. : **Five (5)**

LOCATION: Elevation: **1136** Quadrangle: **Smithburg 7.5**
 District: **New Milton** County: **Doddridge**
 Latitude: **39.25280** Feet South of **39** Deg. **15** Min. **10.1** Sec.
 Longitude: **80.71409** Feet West of **39** Deg. **17** Min. **30** Sec.

Company: **KEY OIL COMPANY** Casing & Used Left Cement
22 GARTON PLAZA & In In Fill Up
WESTON, WV 26452 Tubing Drilling Well Cu Ft

Agent: Jan E. Chapman	11"	32'	Pulled	N/A
Inspector: David Scranage				
Permit Issued: 5-8-11				
Well Work Commenced: 7-21-11	9-5/8"	126'	126'	70 sks. CTS
Well Work Completed: 7-24-11				
Verbal Plugging N/A	7"	1043'	1043'	160 sks. CTS
Permission granted on: 7-10-11				
Rotary X Cable Rig	4-1/2"	2821'	2821'	150 sks. ECT 1015'
Total Depth (feet) 2892'				
Fresh water depths (ft) 100'				
Salt water depths (ft) 1200'				
Is coal being mined in area (Y / N)? No				
Coal Depths (ft): None				

OPEN FLOW DATA **Gordon & Gantz** **2347-2576**
Injun **1970-1980**
Blue Monday **1822-1832**

Producing formation	Pay zone depth (ft)	
Gas: Initial open flow 100 MCF / D	Oil: Initial open flow	Show Bbl / D
Final open flow 531 MCF / D	Oil: Final open flow	2 Bbl / D
Time of open flow between initial and final tests 24		Hours
Static rock pressure 175 psig (surface pressure) after 24		Hours

All Formations Comingled.

Second producing formation	Pay zone depth (ft)	
Gas: Initial open flow MCF / D	Oil: Initial open flow	Bbl / D
Final open flow MCF / D	Oil: Final open flow	Bbl / D
Time of open flow between initial and final tests		Hours
Static rock pressure psig (surface pressure) after		Hours

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For: **KEY OIL COMPANY**

By: 

PRESIDENT

Date: **August 5, 2011**

17-06019

McCamey #5 (47-017-06019)**TREATMENT:**

Gordon & Gantz	(20 holes) 2347-2576	sand, water and N2: 30,000# 20/40 sand, 270,000 SCF N2 170 bbls. water
Injun	(20 holes) 1970-1980	sand, water and N2: 40,000# 20/40 sand, 289,000 SCF N2 219 bbls. water
Blue Monday	(20 holes) 1822-1832	sand, water and N2: 17,000# 20/40 sand, 277,000 SCF N2 159 bbls. water

FORMATIONS:

Sand & Shale	0'	1300'
Shale	1300'	1790'
Little Lime	1790'	1810'
Blue Monday	1810'	1840'
Big Lime	1840'	1896'
Injun	1896'	1984'
Shale	1984'	2138'
Weir	2138'	2220'
Sand & Shale	2220'	2344'
Gantz	2344'	2354'
Shale	2354'	2550'
Gordon	2550'	2630'
Shale	2630'	2892'
TD		2892'

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October 1, 2012

API # 47-017-06124

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Vada Barnett

Operator Well No.: Two (2)

LOCATION: Elevation: 1053 Quadrangle: New Milton 7.5
District: New Milton County: Doddridge
Latitude: 39.18403 Feet South of 39 Deg. 11 Min. 02.5 Sec.
Longitude: 80.74942 Feet West of 80 Deg. 44 Min. 57.9 Sec.

Company:	KEY OIL COMPANY 22 GARTON PLAZA WESTON, WV 26452	Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
Agent:	Jan E. Chapman				
Inspector:	Dave Scranage	13-3/8"	33'	pulled	N/A
Permit Issued:	06-10-12				
Well Work Commenced:	09-10-12	9-5/8"	252'	252'	100 sks. CTS
Well Work Completed:	09-15-12				
Verbal Plugging	N/A	7"	1198'	1198'	170 sks. CTS
Permission granted on:	05-10-12				
Rotary X Cable Rlg		4-1/2"	2845'	2845'	150 sks. ETOC 1100'
Total Depth (feet)	2883'				
Fresh water depths (ft)	100'				
Salt water depths (ft)	1400'				
Is coal being mined in area (Y / N)?	No				
Coal Depths (ft):	NA				

OPEN FLOW DATA Gordon & Gantz 2386-2616
Weir 2202-2256
Injun 2020-2048
Keener 1972-1978

Producing formation Blue Monday Pay zone depth (ft) 1894-1904
Gas: Initial open flow 90 MCF / D Oil: Initial open flow Show Bbl / D
Final open flow 671 MCF / D Oil: Final open flow Show Bbl / D
Time of open flow between initial and final tests 24 Hours
Static rock pressure 600 psig (surface pressure) after 24 Hours

All Formations Comingled.

Second producing formation Pay zone depth (ft)
Gas: Initial open flow MCF / D Oil: Initial open flow Bbl / D
Final open flow MCF / D Oil: Final open flow Bbl / D
Time of open flow between initial and final tests Hours
Static rock pressure psig (surface pressure) after Hours

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For: KEY OIL COMPANY

By: *Jan E. Chapman*

PRESIDENT

Date: October 1, 2012

Vada Barnett #2 47 – 017 – 06124

TREATMENT:

Gordon & Gantz	(20 holes) 2386-2616	sand, water and N2: 30,000# 20/40 sand, 304,000 SCF N2, and 175 bbl. water
Weir	(25 holes) 2202-2256	sand, water and N2: 20,100# 20/40 sand, 285,000 SCF N2, and 143 bbl. water
Injun	(20 holes) 2020-2048	sand, water and N2: 20,000# 20/40 sand, 243,000 SCF N2, and 137 bbl. water
Keener	(20 holes) 1972-1978	sand, water and N2: 20,000# 20/40 sand, 266,000 SCF N2, and 159 bbl. water
Blue Monday	(20 holes) 1894-1904	sand, water and N2: 20,000# 20/40 sand, 330,000 SCF N2, and 197 bbl. water

FORMATIONS:

Sand & Shale	0'	1100'
Shale	1100'	1850'
Little Lime	1850'	1880'
Blue Monday	1880'	1910'
Sand	1910'	1970'
Keener	1970'	2000'
Injun	2000'	2050'
Sand & Shale	2050'	2200'
Weir	2200'	2270'
Shale	2270'	2380'
Gantz	2380'	2390'
Shale	2390'	2610'
Gordon	2610'	2620'
Shale	2620'	2883'
TD	2883'	

API # 47 - 017- 06125

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Drennan

Operator Well No. : Eight (8)

LOCATION: Elevation: 1238 Quadrangle: Oxford 7.5
District: Southwest County: Doddridge
Latitude: 38.18715 Feet South of 39 Deg. 11 Min. 13.7 Sec.
Longitude: 80.75476 Feet West of 80 Deg. 45 Min. 17.1 Sec.

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452

Agent: Jan E. Chapman

Inspector: Dave Scrannage

Permit Issued: 06-10-12

Well Work Commenced: 08-29-12

Well Work Completed: 09-07-12

Verbal Plugging N/A

Permission granted on: 08-10-11

Rotary X Cable Rig

Total Depth (feet) 2979'

Fresh water depths (ft) 103'

Salt water depths (ft) 1400'

Is coal being mined in area (Y / N)? No

Coal Depths (ft): NA

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
11"	32'	pulled	N/A
9-5/8"	168'	168'	70 sks. CTS
7"	1356'	1356'	180 sks. CTS
4-1/2"	2890'	2890'	160 sks. ETOC 1100'

OPEN FLOW DATA Gantz & Gordon

2492-2720

Weir

2296-2366

Keener & Injun

2084-2121

Producing formation Blue Monday Pay zone depth (ft) 2000-2010

Gas: Initial open flow 97 MCF / D Oil: Initial open flow Show Bbl / D

Final open flow 750 MCF / D Oil: Final open flow 2 Bbl / D

Time of open flow between initial and final tests 24 Hours

Static rock pressure 925 psig (surface pressure) after 24 Hours

All Formations Comingled.

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF / D Oil: Initial open flow Bbl / D

Final open flow MCF / D Oil: Final open flow Bbl / D

Time of open flow between initial and final tests Hours

Static rock pressure psig (surface pressure) after Hours

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For: KEY OIL COMPANY

By:  PRESIDENT

Date: October 18, 2012

17-06/25

Drennan #8 (47-017-06125)

TREATMENT:

Gantz & Gordon	(20 holes) 2492-2720	sand, water and N2: 30,000# 20/40 sand, 275,000 SCF N2, and 172 bbl. water
Weir	(22 holes) 2296-2366	sand, water and N2: 20,000# 20/40 sand, 197,000 SCF N2, and 133 bbl. water
Keener & Injun	(20 holes) 2084-2121	sand, water and N2: 25,000# 20/40 sand, 268,000 SCF N2, and 156 bbl. water
Blue Monday	(20 holes) 2000-2010	sand, water and N2: 6,000# 20/40 sand, 130,000 SCF N2, and 96 bbl. water

FORMATIONS:

Sand & Shale	0'	1350'
Salt Sands	1360'	1650'
Shale	1650'	1980'
Little Lime	1980'	2000'
Blue Monday	2000'	2020'
Shale	2020'	2070'
Keener	2070'	2110'
Injun	2110'	2150'
Sand & Shale	2150'	2290'
Weir	2290'	2380'
Shale	2380'	2490'
Gantz	2490'	2500'
Shale	2500'	2710'
Gordon	2710'	2720'
Shale	2720'	2979'
TD		2979'

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